Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in hard soil excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. etc., complete as per the directions of the Engineer-in-charge of the work.						
	Desilt						
	Patel Gopalappa Layout						
	Main Road From Gopalappa Layout to Kallappa Layout						
	LHS						
		1	17.60	0.50	0.45	3.96	
		1	30.00	0.50	0.50	7.50	
		1	30.00	0.50	0.50	7.50	
		1	30.00	0.50	0.45	6.75	
	Length Continued						
		1	18.80	0.50	0.50	4.70	
	Length Continued						
		1	30.00	0.50	0.45	6.75	
	Length Continued						
		1	6.40	0.50	0.50	1.60	
		1	17.40	0.50	0.50	4.35	
	Length Continued						
		1	30.00	0.50	0.75	11.25	
		1	16.50	0.50	0.75	6.19	
	RHS						
	Length Continued						
		1	18.80	0.50	0.50	4.70	
	Length Continued						
		1	30.00	0.50	0.45	6.75	
	Length Continued						
		1	6.40	0.50	0.60	1.92	
		1	17.40	0.50	0.60	5.22	
	Length Continued						
		1	30.00	0.50	0.75	11.25	
		1	16.50	0.50	0.75	6.19	
	G.K Muniyappa Garden						
	Main Road to Dead End						
	LHS						

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bangalore Mahanagara Pa

Sunitha. N K
AE W10

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
		1	30.00	0.50	0.50	7.50	
		1	30.00	0.50	0.60	9.00	
		1	30.00	0.50	0.60	9.00	
	RHS						
		1	11.20	0.50	0.45	2.52	
		1	30.00	0.50	0.50	7.50	
		1	30.00	0.50	0.60	9.00	
		1	30.00	0.50	0.60	9.00	53.52
					Present Qty	**150.10**	**Cum**

Sunitha. N R 6/05
Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Name of work: Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)						
	R&R Slabs						
	Patel Gopalappa Layout						
	Main Road From Gopalappa Layout to Kallappa Layout						
	LHS						
		1	17.60	0.75		13.20	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	
	Length Continued						
		1	18.80	0.90		16.92	
	Length Continued						
		1	30.00	0.90		27.00	
	Length Continued						
		1	6.40	0.90		5.76	
		1	17.40	0.90		15.66	
	Length Continued						
		1	30.00	0.90		27.00	
		1	16.50	0.90		14.85	
	RHS						
	Length Continued						
		1	18.80	0.90		16.92	
	Length Continued						
		1	30.00	0.90		27.00	
	Length Continued						
		1	6.40	0.90		5.76	
		1	17.40	0.90		15.66	
	Length Continued						
		1	30.00	0.90		27.00	
		1	16.50	0.90		14.85	
	Deduction Missing Slabs	-81	0.60	0.90	(-)	-43.74	
	G.K Muniyappa Garden						
	Main Road to Dead End						
	RHS						
		1	11.20	0.75		8.40	
		1	30.00	0.90		27.00	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bengaluru Mahanagara P

Sunitha. N L
AE (L)b

300.24

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
		1	30.00	0.90		27.00	
		1	30.00	0.90		27.00	54.00
	Deduction Culverts						
		-2	6.00	1.20		-14.40	39.60
					Present Qty	**339.84**	**Sqm**

Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.								
	For CC Road								
	G.K Muniyappa Garden								
	Main Road to Dead								
		1	11.20	6.00	5.00	5.50	0.15	9.24	
		1	15.00	5.00	5.75	5.38	0.15	12.09	
		1	15.00	5.75	5.20	5.48	0.15	12.32	
		1	15.00	5.20	5.65	5.43	0.15	12.21	
		1	15.00	5.65	5.90	5.78	0.15	12.99	
		1	15.00	5.30	5.50	5.40	0.15	12.15	
		1	15.00	5.50	6.50	6.00	0.15	13.50	
	Chamundeshwari Layout								
	6th Main Road								
		1	15.00	5.00	4.00	4.50	0.10	6.75	
		1	15.00	4.00	4.60	4.30	0.15	9.68	
		1	15.00	4.60	4.80	4.70	0.15	10.58	
		1	14.00	4.80	4.80	4.80	0.10	6.72	
	Deductions								
	Tree's Area	-14	(3.142*0.45*0.45)/4				0.15	-0.34	
	Man Hole's	-2	(3.142*0.9*0.9)/4				0.15	-0.19	
							Present Qty	**117.69**	**Cum**
							Limited to	**116.25**	**Cum**

Assistant Engineer 09/05
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
South Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
5	Excavation for roadwork in All types of Soil by Mechanical Means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
	Road Cutting Portion								
		1	5.00	1.20	1.00	1.10	0.23	1.27	
		1	7.00	1.00	1.50	1.25	0.23	2.01	
		1	8.50	1.40	1.30	1.35	0.23	2.64	
		1	6.40	2.00	2.10	2.05	0.23	3.02	
		1	4.30	1.10	0.90	1.00	0.23	0.99	
		1	4.50	1.50	1.30	1.40	0.23	1.45	
	For CC Road								
	G.K Muniyappa Garden								
	Main Road to Dead								
		1	11.20	6.00	5.00	5.50	0.10	6.16	
		1	15.00	5.00	5.75	5.38	0.10	8.06	
		1	15.00	5.75	5.20	5.48	0.10	8.21	
		1	15.00	5.20	5.65	5.43	0.10	8.14	
		1	15.00	5.65	5.90	5.78	0.10	8.66	
		1	15.00	5.30	5.50	5.40	0.10	8.10	
		1	15.00	5.50	6.50	6.00	0.10	9.00	
	Chamundeshwari Layout								
	6th Main Road								
		1	15.00	5.00	4.00	4.50	0.10	6.75	
		1	15.00	4.00	4.60	4.30	0.10	6.45	
		1	15.00	4.60	4.80	4.70	0.10	7.05	
		1	14.00	4.80	4.80	4.80	0.10	6.72	
	Deductions								
	Tree's Area	-14	(3.142*0.45*0.45)/4				0.10	-0.22	
	Man Hole's	-2	(3.142*0.9*0.9)/4				0.10	-0.13	
							Present Qty	**94.33**	**Cum**
							Limited to	**88.31**	**Cum**

Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
6	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
	Road Cutting Portion								
		1	5.00	1.20	1.00	1.10	0.23	1.27	
		1	7.00	1.00	1.50	1.25	0.23	2.01	
		1	8.50	1.40	1.30	1.35	0.23	2.64	
		1	6.40	2.00	2.10	2.05	0.20	2.62	
		1	4.30	1.10	0.90	1.00	0.23	0.99	
		1	4.50	1.50	1.30	1.40	0.20	1.26	
							Present Qty	**10.79**	**Cum**

Assistant Engineer 20/09
Ward No.10

Asst. Executive Engineer,
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
7	KSRRB 500-1. Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
	Road Cutting Portion								
		1	5.00	1.20	1.00	1.10		5.50	
		1	7.00	1.00	1.50	1.25		8.75	
		1	8.50	1.40	1.30	1.35		11.48	
		1	6.40	2.00	2.10	2.05		13.12	
		1	4.30	1.10	0.90	1.00		4.30	
		1	4.50	1.50	1.30	1.40		6.30	
		1	4.00	2.30	4.20	3.25		13.00	
		1	5.00	2.60	4.60	3.60		18.00	
		1	30.00	4.20	4.90	4.55		136.50	
							Present Qty	**216.95**	**Sqm**

Assistant Engineer
Ward No.10
22/09

Asst. Executive Engineer,
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
	Road Cutting Portion								
		1	5.00	1.20	1.00	1.10		5.50	
		1	7.00	1.00	1.50	1.25		8.75	
		1	8.50	1.40	1.30	1.35		11.48	
		1	6.40	2.00	2.10	2.05		13.12	
		1	4.30	1.10	0.90	1.00		4.30	
		1	4.50	1.50	1.30	1.40		6.30	
		1	4.00	2.30	4.20	3.25		13.00	
		1	5.00	2.60	4.60	3.60		18.00	
		1	30.00	4.20	4.90	4.55		136.50	
							Present Qty	**216.95**	Sqm

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranyapura Sub division

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
9	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
	Road Cutting Portion								
		1	5.00	1.20	1.00	1.10	0.05	0.28	
		1	7.00	1.00	1.50	1.25	0.05	0.44	
		1	8.50	1.40	1.30	1.35	0.05	0.57	
		1	6.40	2.00	2.10	2.05	0.05	0.66	
		1	4.30	1.10	0.90	1.00	0.05	0.22	
		1	4.50	1.50	1.30	1.40	0.05	0.32	
		1	4.00	2.30	4.20	3.25	0.05	0.65	
		1	5.00	2.60	4.60	3.60	0.05	0.90	
		1	30.00	4.20	4.90	4.55	0.05	6.83	
							Present Qty	**10.85**	**Cum**

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bengaluru Mahanagara

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranyapura Sub division

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Pre measurement recorded on:								
10	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
		1	3.50	5.40	5.00	5.20		18.20	
		1	2.40	3.50	3.30	3.40		8.16	
		1	17.60	2.80	3.75	3.28		57.64	57.72
		1	30.00	3.25	4.20	3.73		111.75	111.90
		1	30.00	4.20	4.90	4.55		136.50	
		1	30.00	4.90	4.85	4.88		146.25	146.40
		1	5.00	2.60	4.70	3.65		18.25	
		1	2.60	5.45	4.60	5.03		13.07	
		1	18.80	4.20	4.20	4.20		78.96	
		1	3.00	6.20	6.20	6.20		18.60	
		1	30.00	5.30	4.40	4.85		145.50	
		1	6.40	4.45	4.00	4.23		27.04	27.07
		1	17.40	5.15	4.80	4.98		86.57	86.65
		1	6.00	6.40	6.40	6.40		38.40	
		1	30.00	4.00	3.60	3.80		114.00	
		1	16.50	3.60	4.30	3.95		65.18	
									1034.07
	Deductions								
	Electrical Pole	-8	0.20	0.20	0.20	0.20		-0.32	
	Open Space	-1	1.20	0.90	0.90	0.90		-1.08	
	Borewell	-1	(3.142*0.4*0.4/4)					-0.13	
	Man Hole's	-8	(3.142*0.9*0.9)/4					-5.12	
							Present Qty	**1077.41**	**Sqm**

Smitha. N L
Assistant Engineer 20/10
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Pre measurement recorded on:								
10	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
		1	3.50	5.40	5.00	5.20		18.20	
		1	2.40	3.50	3.30	3.40		8.16	
		1	17.60	2.80	3.75	3.28		57.64	57.72
		1	30.00	3.25	4.20	3.73		111.75	111.90
		1	30.00	4.20	4.90	4.55		136.50	
		1	30.00	4.90	4.85	4.88		146.25	146.40
		1	5.00	2.60	4.70	3.65		18.25	
		1	2.60	5.45	4.60	5.03		13.07	
		1	18.80	4.20	4.20	4.20		78.96	
		1	3.00	6.20	6.20	6.20		18.60	
		1	30.00	5.30	4.40	4.85		145.50	
		1	6.40	4.45	4.00	4.23		27.04	27.07
		1	17.40	5.15	4.80	4.98		86.57	86.65
		1	6.00	6.40	6.40	6.40		38.40	
		1	30.00	4.00	3.60	3.80		114.00	
		1	16.50	3.60	4.30	3.95		65.18	
	Deductions								
	Electrical Pole	-8	0.20	0.20	0.20	0.20		-0.32	
	Open Space	-1	1.20	0.90	0.90	0.90		-1.08	
	Borewell	-1		(3.142*0.4*0.4/4)				-0.13	
	Man Hole's	-8		(3.142*0.9*0.9)/4				-5.12	
							Present Qty	**1077.41**	**Sqm**

Smitha. N L
Assistant Engineer 20/10
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
11	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5								
	For Asphalt Road								
	Patel Gopalappa Layout								
	Main Road From Gopalappa Layout to Kallappa Layout								
		1	3.50	5.40	5.00	5.20		18.20	
		1	2.40	3.50	3.30	3.40		8.16	
		1	17.60	2.80	3.75	3.28		57.64	52.72
		1	30.00	3.25	4.20	3.73		111.75	111.90
		1	30.00	4.20	4.90	4.55		136.50	
		1	30.00	4.90	4.85	4.88		146.25	146.60
		1	5.00	2.60	4.70	3.65		18.25	
		1	2.60	5.45	4.60	5.03		13.07	
		1	18.80	4.20	4.20	4.20		78.96	
		1	3.00	6.20	6.20	6.20		18.60	
		1	30.00	5.30	4.40	4.85		145.50	
		1	6.40	4.45	4.00	4.23		27.04	27.07
		1	17.40	5.15	4.80	4.98		86.57	86.65
		1	6.00	6.40	6.40	6.40		38.40	
		1	30.00	4.00	3.60	3.80		114.00	
		1	16.50	3.60	4.30	3.95		65.18	
	Deductions								
	Electrical Pole	-8	0.20	0.20	0.20	0.20		-0.32	
	Open Space	-1	1.20	0.90	0.90	0.90		-1.08	
	Borewell	-1		(3.142*0.4*0.4/4)				-0.13	
	Man Hole's	-8		(3.142*0.9*0.9)/4				-5.12	
							Present Qty	**1077.41**	**Sqm**

Assistant Engineer
Ward No.10 20/10

Asst. Executive Engineer,
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bengaluru Mahanagara Palike

Name of work:Improvements to Roads and Drains at Kallappa Layout, Gopalappa Layout, Doddabommasandra 4th Block in Ward No 10 (Doddabommasandra) Vidyaranyapura Sub Division

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202								
For CC Road								
G.K Muniyappa Garden								
Main Road to Dead								
	1	11.20	6.00	5.00	5.50	0.20	12.32	
	1	15.00	5.00	5.75	5.38	0.20	16.13	16.014
	1	15.00	5.75	5.20	5.48	0.20	16.43	16.44
	1	15.00	5.20	5.65	5.43	0.20	16.28	16.29
	1	15.00	5.65	5.90	5.78	0.20	17.33	17.34
	1	15.00	5.30	5.50	5.40	0.20	16.20	
	1	15.00	5.50	6.50	6.00	0.20	18.00	
Chamundeshwari Layout								
6th Main Road								
	1	15.00	5.00	4.00	4.50	0.15	10.13	
	1	15.00	4.00	4.60	4.30	0.15	9.68	
	1	15.00	4.60	4.80	4.70	0.15	9.78	10.52
	1	14.00	4.80	4.80	4.80	0.20	13.44	
						155.72		
Deductions								
Tree's Area	-14	(3.142*0.45*0.45)/4				0.20	-0.45	
Man Hole's	-2	(3.142*0.9*0.9)/4				0.20	-0.26	155.01
						Present Qty	**154.99**	**Cum**

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranyapura Sub division